



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**WASHINGTON, D.C. 20460**

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 18, 2014

Bert Volger, Ph.D.  
Control Solutions, Inc.  
5903 Genoa Red Bluff  
Pasadena, TX 77507

Subject: Label amendment to Tekko™ 10 Adding Dump Fly, Soldier Fly, and Litter  
Beetles  
EPA Registration No. 53883-348  
Submission Date: February 24, 2011  
Decision Number: 489194

Dear Dr. Volger:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

A stamped copy is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions regarding this label, please contact Jennifer Gaines at (703) 305-5967 or via e-mail at [gaines.jennifer@epa.gov](mailto:gaines.jennifer@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Meredith F. Laws". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Meredith F. Laws, Chief  
Insecticide-Rodenticide Branch  
Registration Division  
Office of Pesticide Programs

**ACCEPTED**

08/18/14

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 53883-348

# TEKKO™10

[Optional Generic Descriptor: **IGR Concentrate**]

[Optional Generic Descriptor: **Insect Growth Regulator Concentrate**]

Insecticide for Indoor and Outdoor Control of Crickets

for Control of Soldier Fly and Dump Fly Larvae in Feed Lots and Dairy Barns, and Horse Barns and for Control of Soldier Fly, Dump Fly and Litter Beetle Larvae in Poultry Operations.

Prevents the emergence of adult flies from maggots of:

**Soldier Flies. Darkling Beetles (Litter, Hide and Carrion Beetles), and Dump Flies.**

For use in controlling emergence of maggots from manure and other fly breeding sites in:

**Cattle Barns, Horse Barns, Incinerators, Cattle and Horse Manure, Non-Farm Animals Stalls, Poultry Buildings, Cage-layer houses, Poultry Houses, Refuse Storage Areas.**

<b>ACTIVE INGREDIENT:</b> Novaluron:	<b>% BY WT.</b>
N-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide*.....	9.3%
<b>OTHER INGREDIENTS:</b> .....	90.7%
	Total 100.0%

\*Contains 0.83 lbs. Novaluron per gallon.

EPA Reg. No. 53883-348

EPA Est. No. xxx-xx-xxx

NET CONTENTS: \_\_\_\_\_ GALLONS

## WARNING - AVISO KEEP OUT OF REACH OF CHILDREN

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p><b>EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor or going for treatment.</b> You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.</p> <p><b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Applicators must wear chemical resistant gloves.

## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to freshwater and marine invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

## **DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING**

### **FOR CRICKET, LITTER BEETLE, DUMP FLY, AND SOLDIER FLY CONTROL**

The active ingredient in TEKKO™10 is novaluron, an insect growth regulator. TEKKO™10 affects only developing immature stages by disrupting the molting process and preventing them from reaching the adult breeding stage. Consequently, fully developed adult stages of pests and beneficial species are not affected. The elimination of adult insects occurs gradually and becomes visible one to two weeks after application. Insects which are already in the adult stage will not be affected. For best results, read all directions thoroughly.

TEKKO™10 is a larvicide with specific properties developed for the control of nymphal crickets, litter beetle larvae, dump and soldier fly larvae in manure and other breeding sites; dump and soldier fly larvae in cattle operations and horse barns where horses are not intended for slaughter or food; and control of litter beetle, dump and soldier fly larvae in poultry operations.. Include appropriate sanitary and management practices to reduce the number and size of insect breeding sites.

## **USE INFORMATION**

**INSTRUCTIONS FOR USE:** Mix TEKKO™10 with water and apply with spray equipment e.g. any low pressure sprayer [tank type sprayer] [trigger sprayer] typically used for indoor applications as described below.

**SPRAY PREPARATION:** Prepare a diluted spray solution by adding 2 to 3 ounces per gallon of water. Partially fill the mixing container with water, add TEKKO™10, agitate and fill to the final volume. Agitate before each spray. Do not allow spray mixture to stand overnight.

**IN CONJUNCTION WITH AN ADULTICIDE INSECTICIDE:** TEKKO™10 may be combined with an insecticide registered for adult control of crickets, control of soldier and dump fly larvae in cattle operations, and horse barns, as well as the control of soldier fly, dump fly and litter beetle larvae in poultry operations. The combination would provide immediate control of adult crickets, soldier and dump flies, and inhibit the development of the immature stages of the soldier and dump flies, and crickets [preadult (nymphal) cricket] [hatching eggs (nymphs) for [180 days] [26 weeks] [6 months] and fly population. This application must conform to accepted use precautions, restrictions and directions for both products. Use TEKKO™10 only at specified application rates.

## FOOD HANDLING ESTABLISHMENTS

(Places other than private residences in which food is held, processed, prepared or served)

**Nonfood Areas:** TEKKO™10 may be applied with mechanical cold mist/ultra-low volume (ULV) equipment, as a spot or crack and crevice treatment in nonfood storage warehouses or in warehouses where stored food items are limited solely to either bottled or canned items. Apply to all nonfood areas that may harbor pests, including under and between pallets, in garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

**Food Areas:** TEKKO™10 may be used in food areas of food handling establishments, restaurants, or other areas where foods are commercially prepared or processed. TEKKO™10 may only be used in serving areas when food is not exposed. Prior to application, remove or cover all food items and foodstuffs in area to be treated. Food areas include areas for receiving, storage packing (canning, bottling, wrapping, boxing), preparing, edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Cover all food processing surfaces (including equipment) and utensils during treatment, or thoroughly wash prior to use. Do not replace food containers or foodstuffs until spray has dried. Remove or cover livestock feed items prior to application.

### SPOT OR CRACK & CREVICE APPLICATION

Since novaluron is stable and not volatile, spot, and/or crack and crevice treatment may be used while the facility is in operation, provided exposed food is covered or removed from the area being treated prior to application.

**Pantry/Cabinets, Small Food Storage Areas:** Apply as a surface spray, crack and crevice spray, or spot treatment to pantry and cupboard shelves or other areas where food is stored. Prior to spraying, remove all food containers and foodstuffs. Do not replace food containers or foodstuffs until spray has dried.

## CATTLE AND POULTRY OPERATIONS, AND HORSE BARNES

TEKKO™10 may be used in controlling the emergence of maggots from manure and other fly breeding sites in: Cattle Barns, Horse Barns, Incinerators, Cattle and Horse Manure, Non-Farm Animals Stalls, Poultry Buildings, Cage-layer Houses, Poultry Houses, Refuse Storage Areas.

### TEKKO™10 Application in Cattle Operations and Horse Barns:

Target Pests	Rates (Fl. Oz. /1,000 sq. ft.)	Application Instructions
Soldier and Dump Fly larvae	1.5 to 3.0	Apply TEKKO™ 10 directly to fly breeding sites around hay bales, dairy barns, cattle feedlots, and all other premise areas where flies breed. Apply in sufficient volume of water (up to 20 gals. per 1,000 sq.ft.) to uniformly and thoroughly wet the litter and other target areas; spray volume will vary depending on the depth of litter being treated.

**TEKKO™10 Application in Poultry Operations:**

Target Pests	Rates (Fl. Oz. /1,000 sq. ft.)	Application Instructions
Litter beetle larvae  Soldier and Dump Fly larvae	1.5 to 3.0	Apply TEKKO™10 by treating the entire manure area approximately 1 week after manure removal. Repeat treatment after each removal or when beetle larvae are found.

**Application Sites:** Apply TEKKO™10 only on fly breeding sites. Do not apply to fly resting sites (walls, ceilings, etc.), as it has no effect on adult flies. Do not contaminate feed troughs and water troughs.

**Application Method:** Coarse Spray - Apply TEKKO™10 directly and evenly on the insect breeding sites.  
**Application Schedules:** The treatment interval depends on management and housing systems as well as on climatic conditions. It can vary from 7 days up to several months.

**Use Restrictions:**

- (1) Do not apply TEKKO™10 directly to livestock or livestock feed as illegal residues may result.
- (2) Do not feed manure treated with TEKKO™10 to animals.
- (3) To avoid illegal residues, allow 1 day (24 hours) between last application and slaughter.

**OTHER INDOOR AND OUTDOOR USES**

**INDOOR USE:** Prepare a diluted spray solution by adding 2 to 3 ounces per gallon of water. At the rate of 0.1 gallon per 1,000 ft<sup>2</sup>, apply, as a spot treatment, and crack and crevice spray using a pressurized spray system capable of delivering a pin point or variable spray pattern. Contact as many insects as possible with this spray in addition to thorough spraying of all parts of the room suspected of harboring these pests.

**Crack and Crevice:** Applications may be made directly to cracks, crevices, baseboards, floors, ceilings, walls, expansion joints, molding, areas around water and sewer pipes, voids where pests can hide and similar areas.

**Spot Treatment:** Applications may be made to areas including storage areas and closets; around, behind and under refrigerators, cabinets, sinks, stoves and other equipment; and shelves, drawers, and similar areas. Pay special attention to hiding places such as around garbage cans, doors and door frames, windows, window sills, and window frames, floors, around and on drains, plumbing, behind bookcases, utility installation areas, and infested furniture hitting insects with spray whenever possible.

**OUTDOOR PERIMETER TREATMENTS:** Prepare a diluted spray solution by adding 3 ounces per gallon of water into any low-pressure sprayer [tank type sprayer] [trigger sprayer] [pump sprayer] [compressed air sprayer]. At the rate of 1 gallon per 1,000 feet (1.2 ounces of finished spray/sq yard), apply in a band 2 to 4 feet adjacent to and around the structure and apply to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance.

**Use Sites:** Apply spray around window frames, doors, garage doors, patios, decks, carports, shutters, around garbage areas, sill plates and other areas where crickets may congregate or find entry. Treatment of the base of trees, tree holes, mulch and other areas where crawling insects harbor is permitted. Additional Use Sites are residential and commercial buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use are non-food/non-feed areas of stores; warehouses, transportation equipment, manufacturing sites; industrial buildings; houses;

apartment buildings; office buildings; laboratories; schools; daycare centers; nursing homes; hospitals; hotels; and on vessels, rail cars, aircraft, buses, trucks and trailers.

**USE RESTRICTIONS:** Do not spray into the air. Do not spray when wind conditions could create a mist to blow back to the applicator. Do not apply this product in or around bodies of water. Keep children and pets away from treated areas until sprays have dried.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited

**PESTICIDE STORAGE:** Store in a cool dry place away from heat or an open flame. Do not reuse or refill empty container.

**PESTICIDE DISPOSAL:** Wastes resulting from uses of this product may be disposed of on site, according to label directions, or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill empty container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure 2 more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### **LIMITATION OF WARRANTY AND LIABILITY**

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES, and LIMITATIONS OF LIABILITY.**

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Control Solutions, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Control Solutions, Inc. election, the replacement of product.

To the extent consistent with applicable law, buyer and user assume all responsibilities for safety and use not in strict accordance with directions. *[Optional statement to be used in place of WARRANTY STATEMENT]*

*Optional Marketing Claims: [ ] OR ( ) indicates alternate or optional wording to be used in Optional Marketing Claims and in body of actual label.*

- *TEKKO™10 is an insect growth regulator which disrupts the formation of chitin in insect exoskeletons.*
- *TEKKO™10 can be used as part of an integrated pest management [IPM] program.*
- *Effective long-term control.*

- *TEKKO™10 treats the problem at the source.*
- *TEKKO™10 prevents the growth of all larval stages.*
- *TEKKO™10 prevents soldier and dump fly and beetle larvae from becoming adults.*
- *TEKKO™10 prevents soldier and dump fly and beetle larvae from shedding their skin.*
- *TEKKO™10 breaks the life cycle of soldier and dump flies and liter beetles.*
- *One Gallon of TEKKO™10 treats up to 128,000 square feet of poultry manure.*

*Manufactured for:*  
Control Solutions, Inc.  
5903 Genoa Red Bluff  
Pasadena, TX 77507

File name: TEKKO™10  
Amendment – add flies submitted 3-25-2014  
EPA comments incorporated 8-18-2014